

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003243.D
 Acq On : 20 Jul 2020 19:39
 Operator : SY/MD
 Sample : L3308-17RE
 Misc : 5.04G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 17

Quant Time: Jul 21 03:20:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

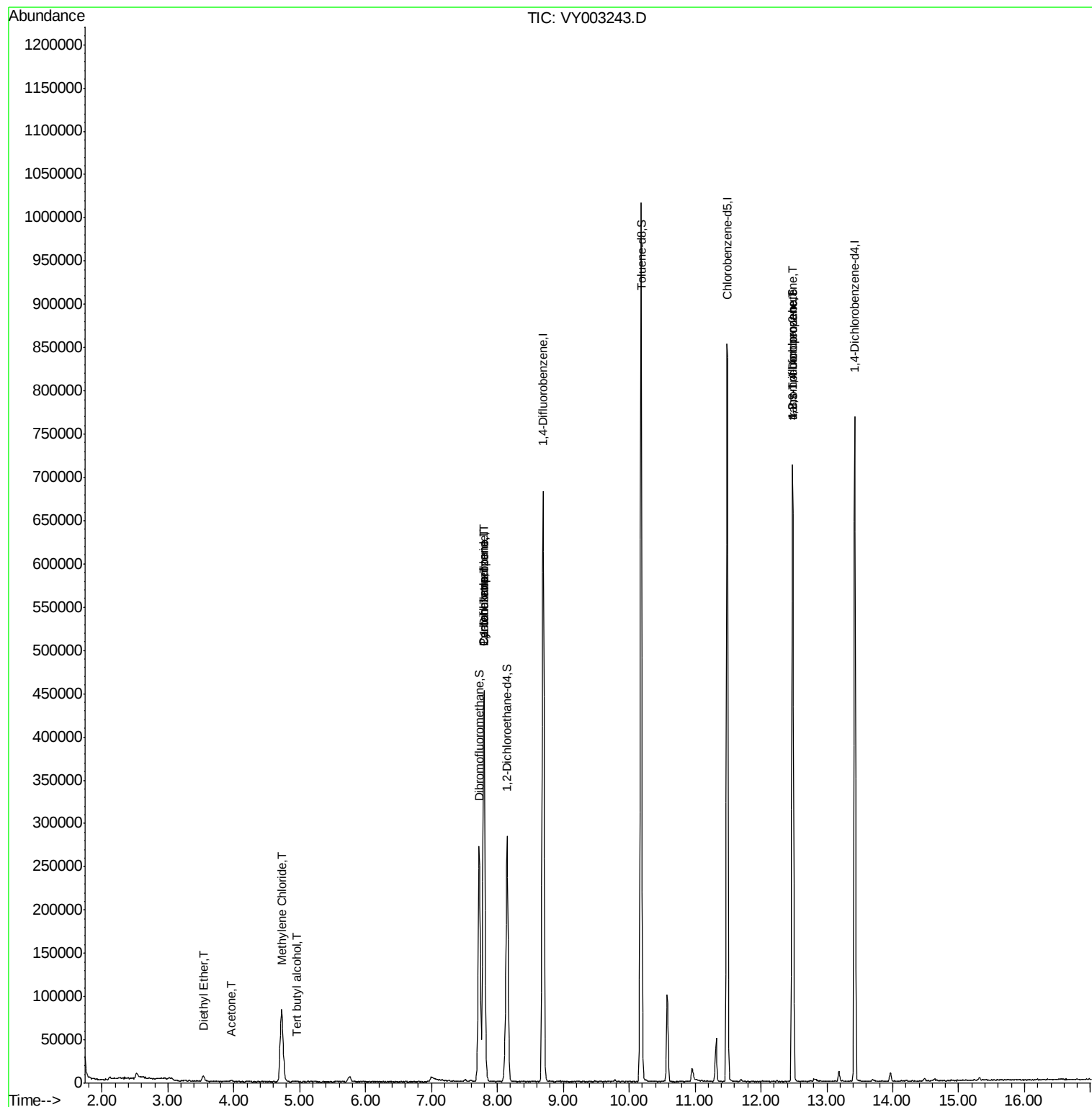
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	364949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	566170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	472038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	198015	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	215148	69.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	139.70%	
35) Dibromofluoromethane	7.72	113	184040	56.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.98%	
50) Toluene-d8	10.18	98	655721	54.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.26%	
62) 4-Bromofluorobenzene	12.48	95	193321	44.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.36%	
Target Compounds						
8) Diethyl Ether	3.54	74	3982	2.235	ug/l	80
11) Tert butyl alcohol	4.96	59	899	2.699	ug/l #	72
16) Acetone	3.96	43	2356	3.424	ug/l #	82
20) Methylene Chloride	4.73	84	63328	14.378	ug/l	100
31) Cyclohexane	7.79	56	7447	1.329	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	26740	5.211	ug/l #	50
38) Carbon Tetrachloride	7.80	117	34438	6.501	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	100267	57.205	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	100267	111.331	ug/l #	13

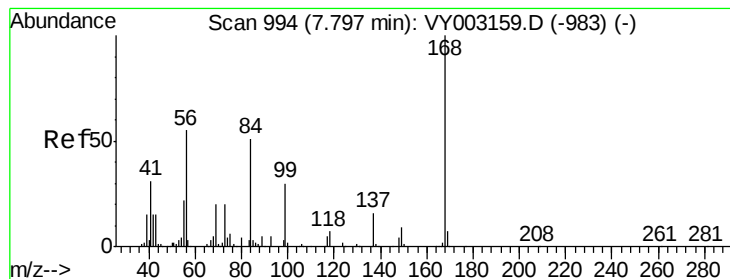
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 10 13:18:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003243.D

Acq: 20 Jul 2020 19:39

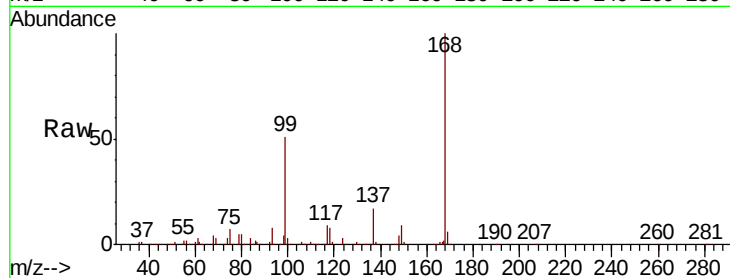
Instrument :
MSVOA_Y
ClientSampleId :
17

Tot Ion:168 Resp: 364949

Ion Ratio Lower Upper

168 100

99 50.9 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

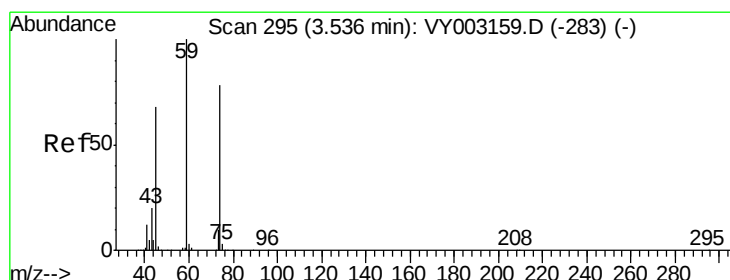
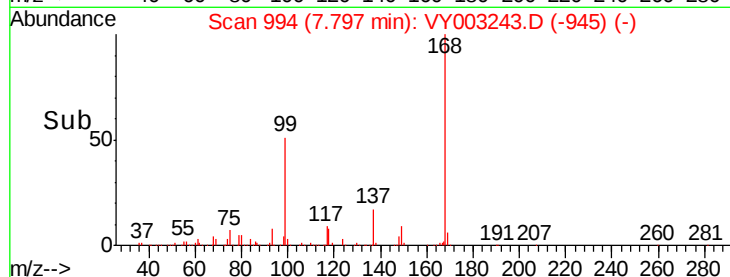
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.235 ug/l

RT: 3.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VY003243.D

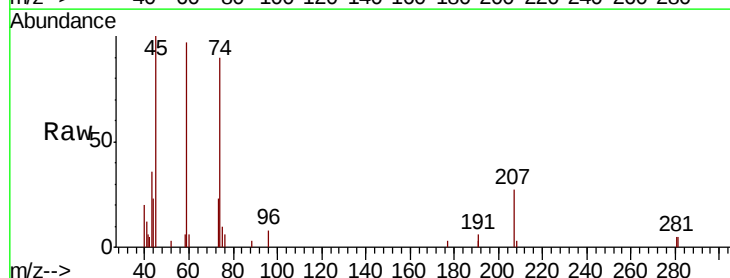
Acq: 20 Jul 2020 19:39

Tgt Ion: 74 Resp: 3982

Ion Ratio Lower Upper

74 100

45 109.5 45.3 135.8



Abundance Ion 74.00 (73.70 to 74.70): VY003159.D (-283) (-)

Ion 45.00 (44.70 to 45.70): VY003159.D (-283) (-)

3.54

2000

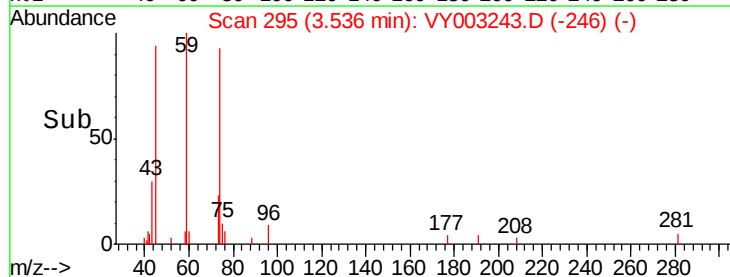
1500

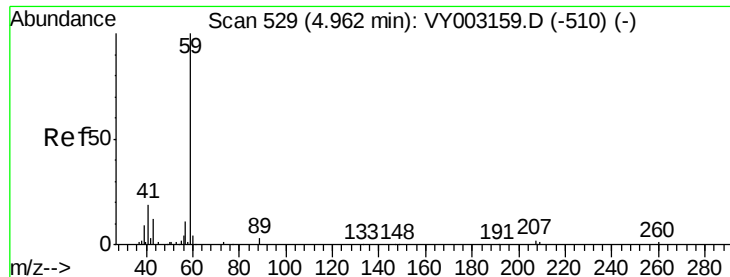
1000

500

0

Time-->

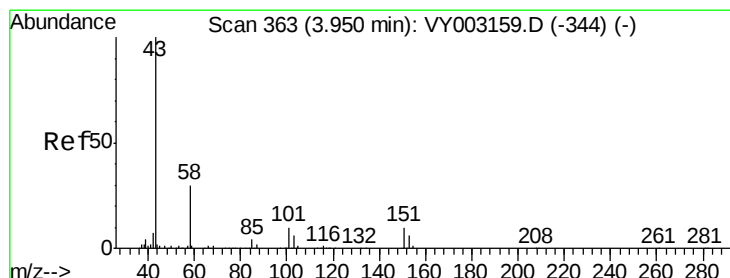
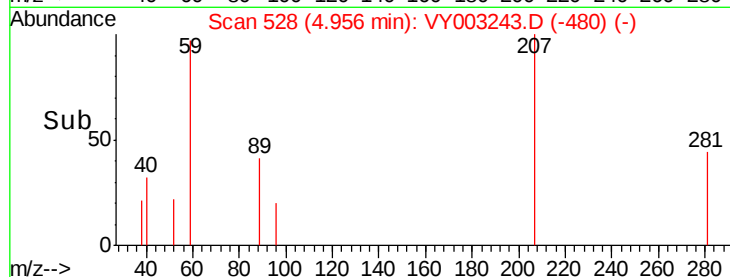
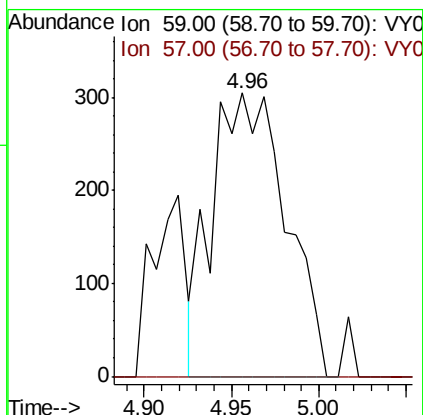
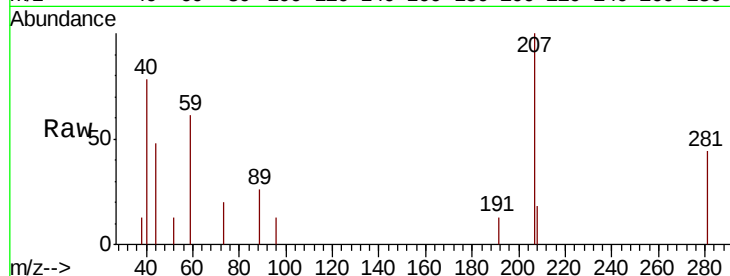




#11
Tert butyl alcohol
Concen: 2.699 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY003243.D
Acq: 20 Jul 2020 19:39

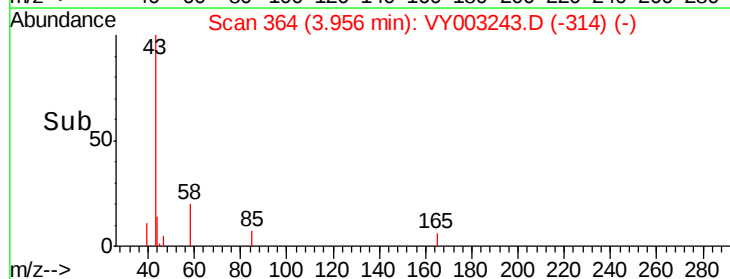
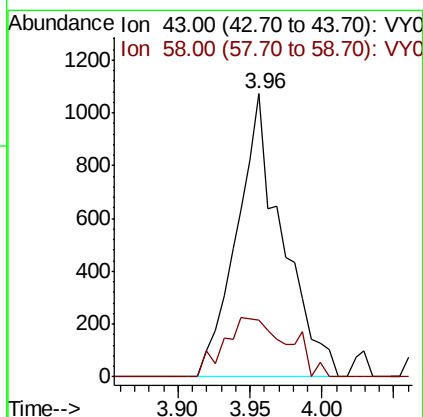
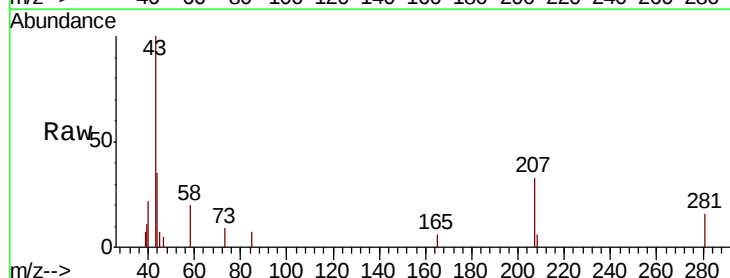
Instrument :
MSVOA_Y
ClientSampleId :
17

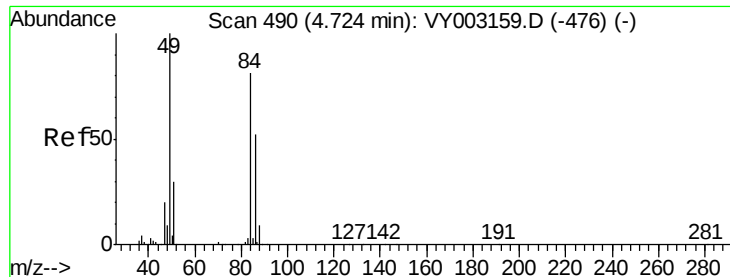
Tot Ion: 59 Resp: 899
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 3.424 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY003243.D
Acq: 20 Jul 2020 19:39

Tgt Ion: 43 Resp: 2356
Ion Ratio Lower Upper
43 100
58 19.9 23.8 35.6#

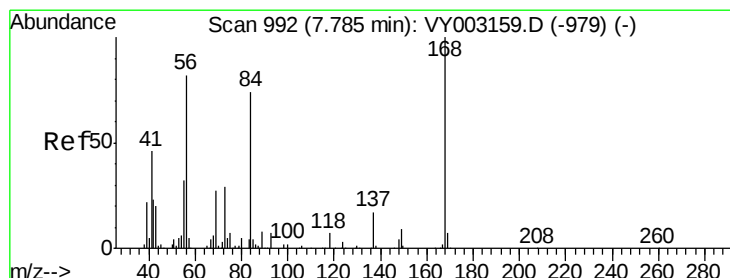
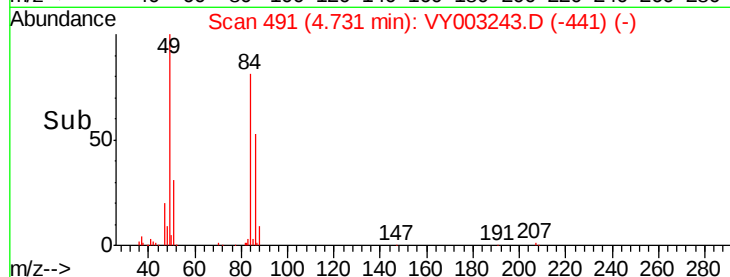
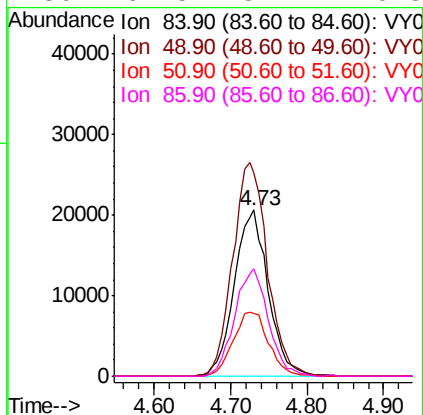
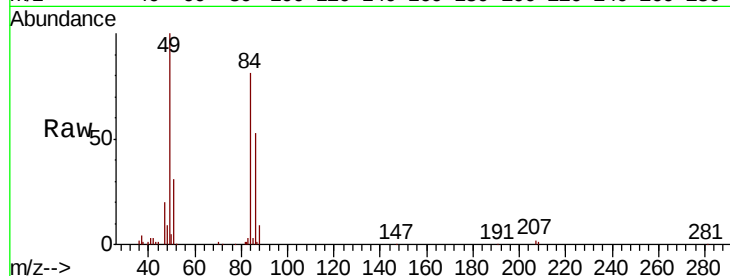




#20
Methvlene Chloride
Concen: 14.378 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003243.D
Acq: 20 Jul 2020 19:39

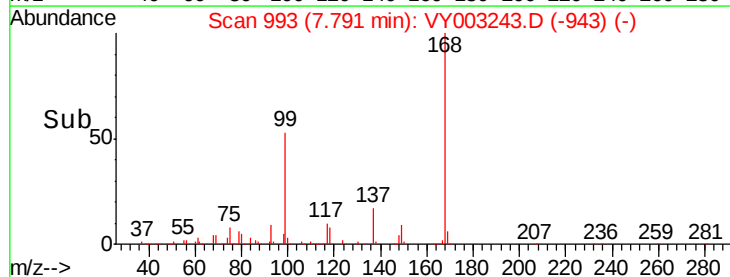
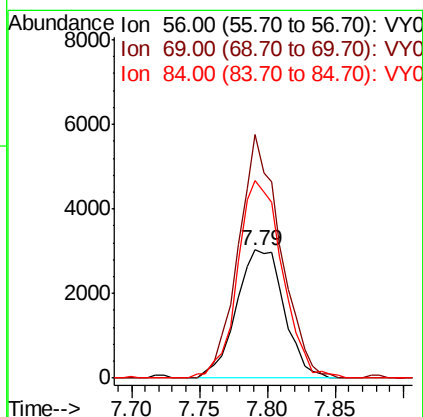
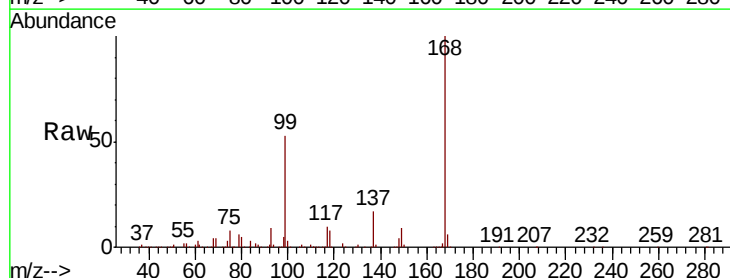
Instrument :
MSVOA_Y
ClientSampleId :
17

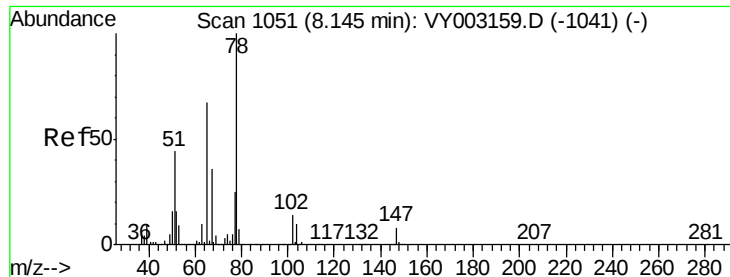
Tot Ion:	84	Resp:	63328
Ion	Ratio	Lower	Upper
84	100		
49	122.7	98.2	147.4
51	37.9	29.8	44.6
86	64.5	51.2	76.8



#31
Cyclohexane
Concen: 1.329 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.01 min
Lab File: VY003243.D
Acq: 20 Jul 2020 19:39

Tgt Ion:	56	Resp:	7447
Ion	Ratio	Lower	Upper
56	100		
69	190.0	26.7	40.1#
84	154.4	72.3	108.5#

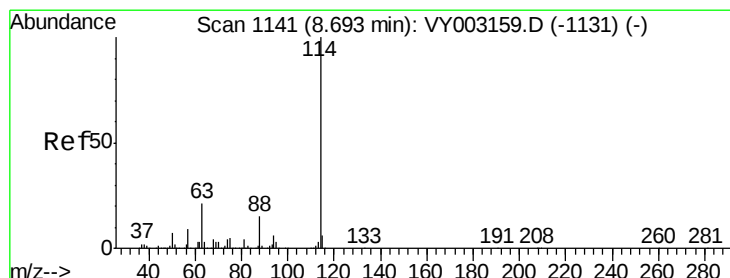
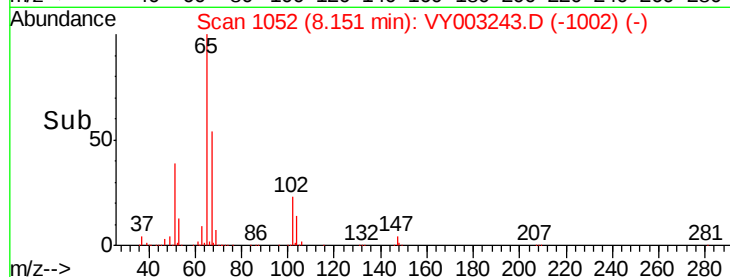
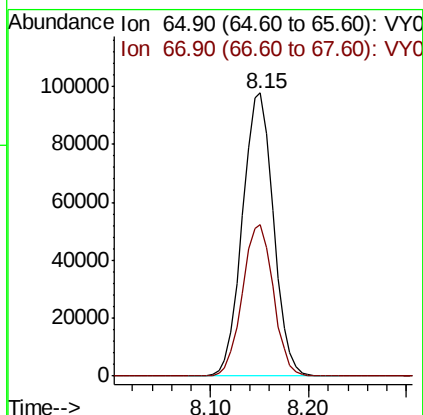
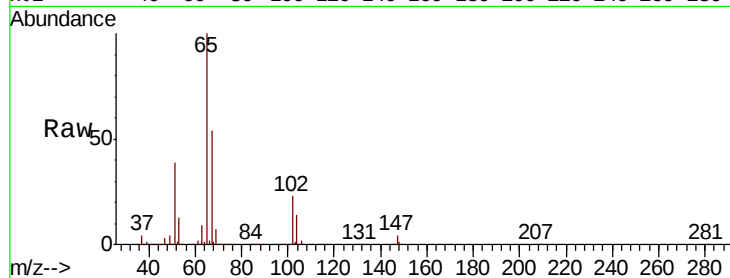




#33
 1,2-Dichloroethane-d4
 Concen: 69.847 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003243.D
 Acq: 20 Jul 2020 19:39

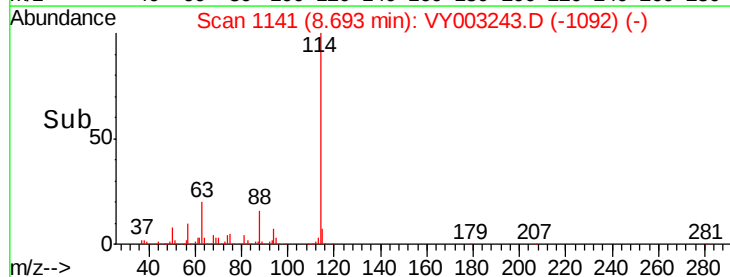
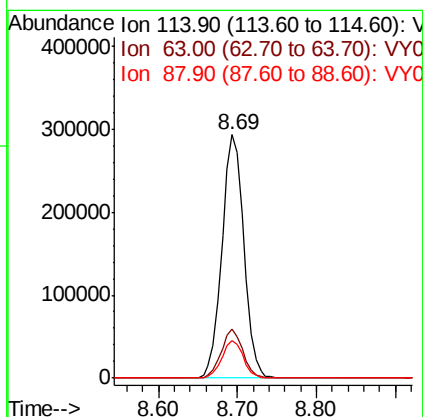
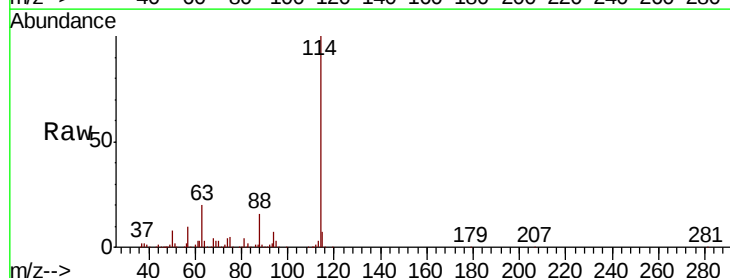
Instrument :
 MSVOA_Y
 ClientSampled :
 17

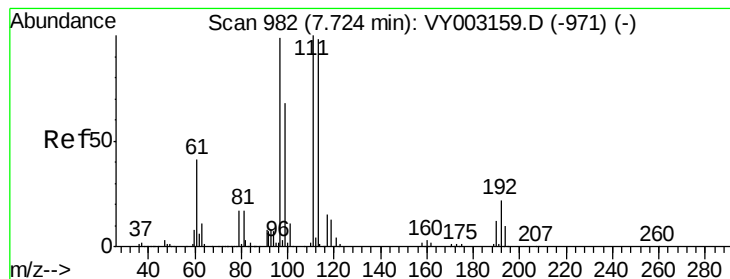
Tot Ion: 65 Resp: 215148
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003243.D
 Acq: 20 Jul 2020 19:39

Tgt Ion: 114 Resp: 566170
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.2
 88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 56.486 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003243.D

Acq: 20 Jul 2020 19:39

Instrument :

MSVOA_Y

ClientSampled :

17

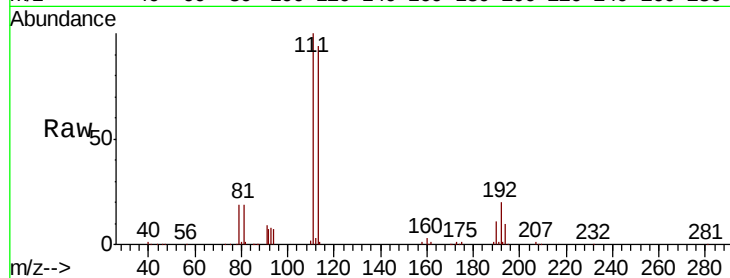
Tot Ion:113 Resp: 184040

Ion Ratio Lower Upper

113 100

111 105.1 82.1 123.1

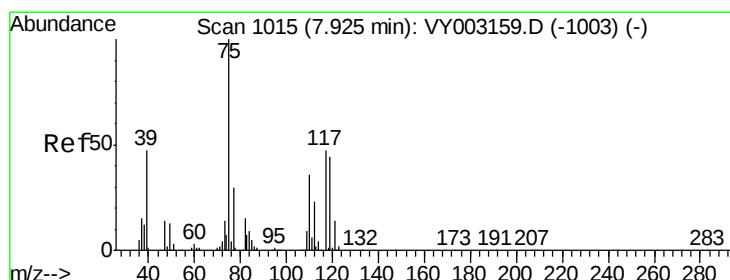
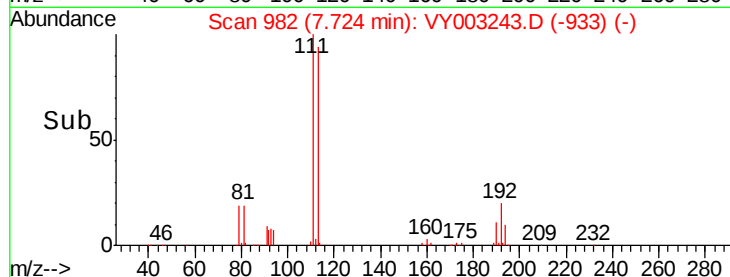
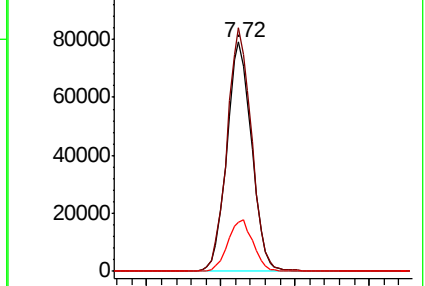
192 22.9 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.211 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003243.D

Acq: 20 Jul 2020 19:39

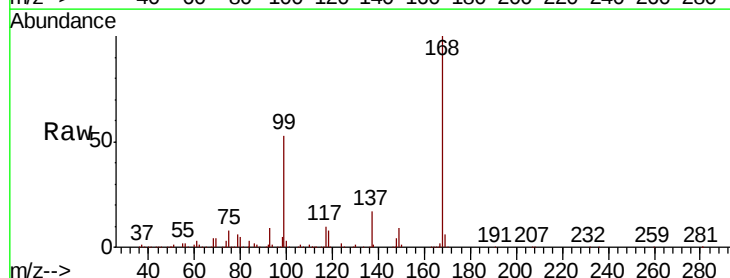
Tgt Ion: 75 Resp: 26740

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.1#

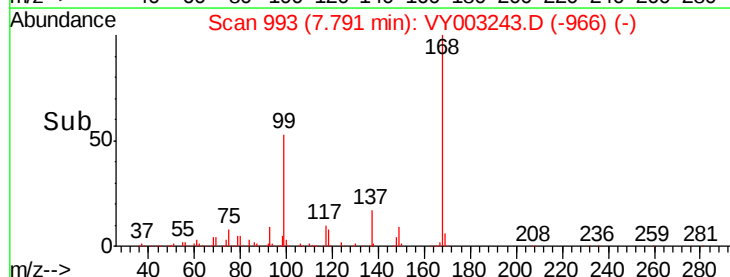
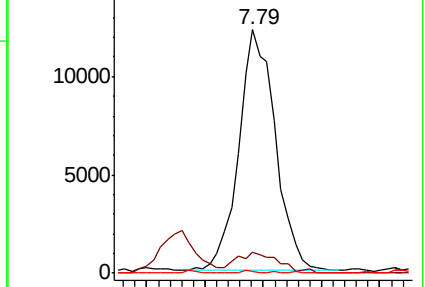
77 0.3 24.8 37.2#

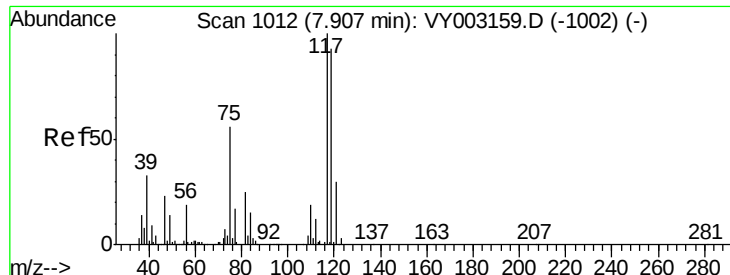


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.501 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003243.D

Acq: 20 Jul 2020 19:39

Instrument :

MSVOA_Y

ClientSampleId :

17

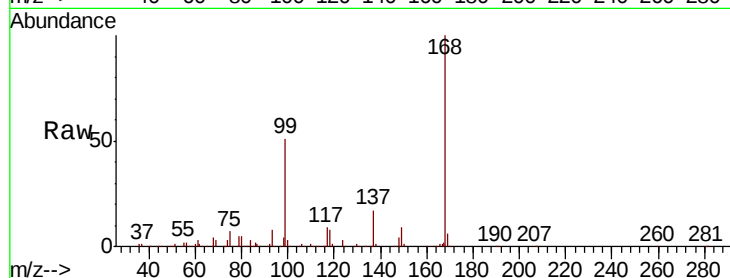
Tot Ion:117 Resp: 34438

Ion Ratio Lower Upper

117 100

119 6.0 74.5 111.7#

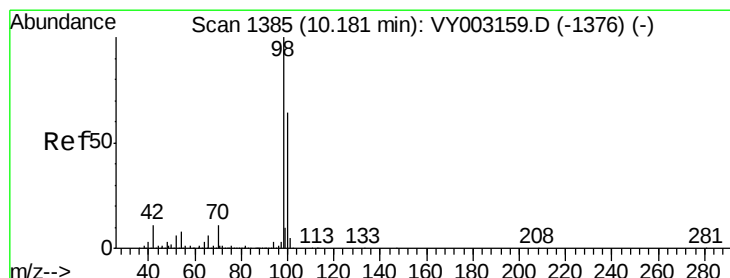
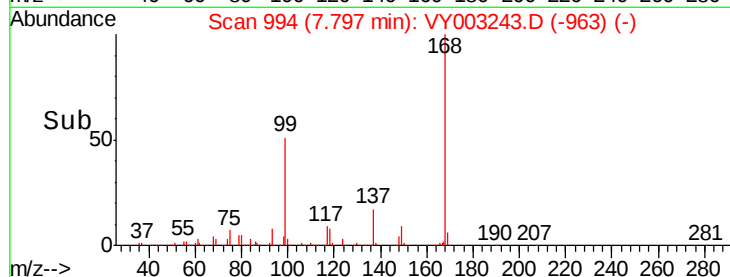
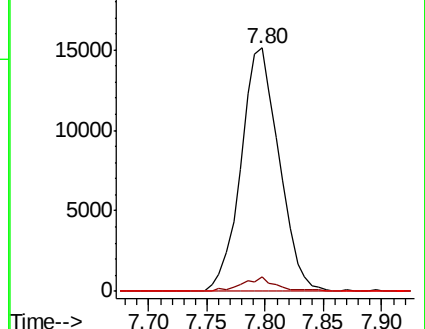
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 54.132 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003243.D

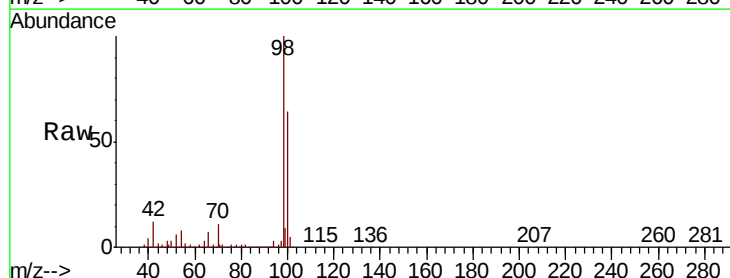
Acq: 20 Jul 2020 19:39

Tgt Ion: 98 Resp: 655721

Ion Ratio Lower Upper

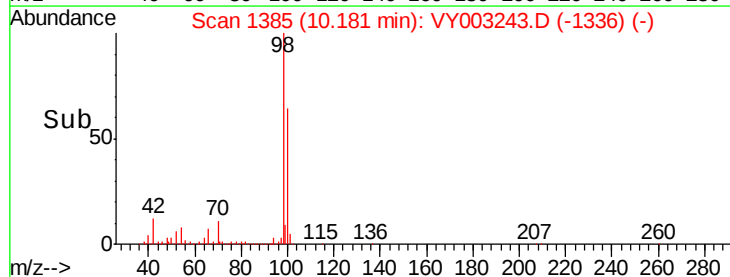
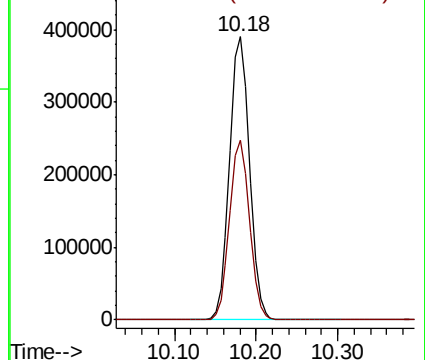
98 100

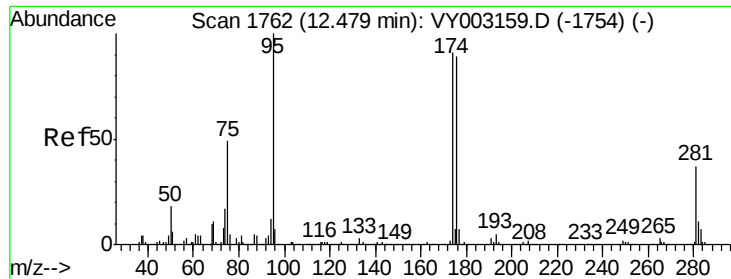
100 63.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 44.177 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003243.D

Acq: 20 Jul 2020 19:39

Instrument :

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ClientSampleId :

17

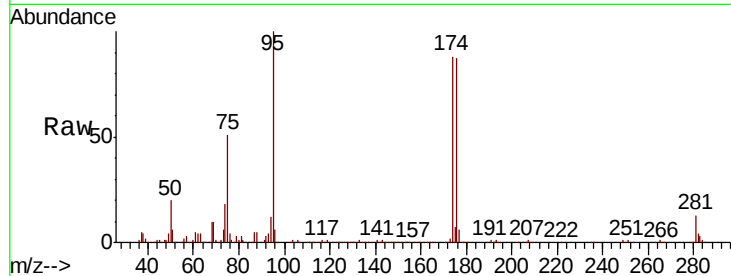
Tot Ion: 95 Resp: 193321

Ion Ratio Lower Upper

95 100

174 95.0 0.0 190.6

176 91.6 0.0 186.4

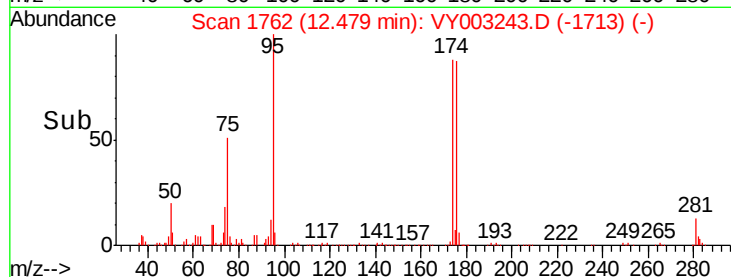


Abundance Ion 94.90 (94.60 to 95.60): VY003159.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003159.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003159.D (-1754) (-)

Time-->

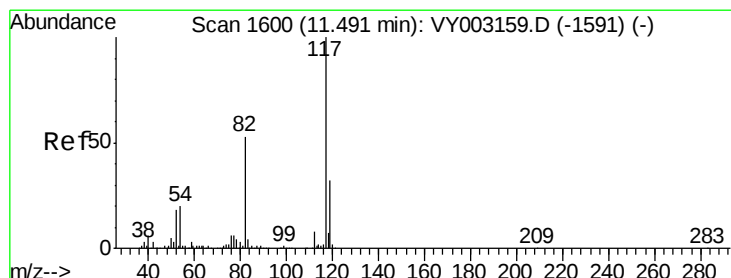


Abundance Ion 94.90 (94.60 to 95.60): VY003243.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY003243.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY003243.D (-1713) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003243.D

Acq: 20 Jul 2020 19:39

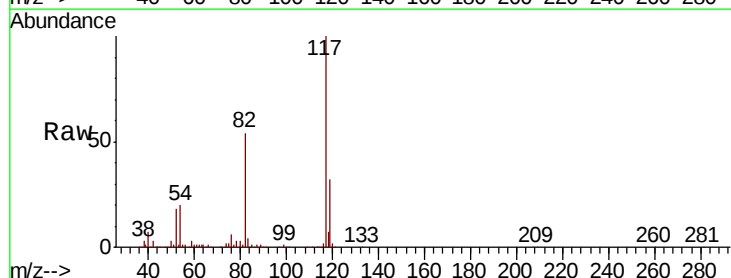
Tgt Ion: 117 Resp: 472038

Ion Ratio Lower Upper

117 100

82 54.1 42.0 63.0

119 32.3 25.5 38.3

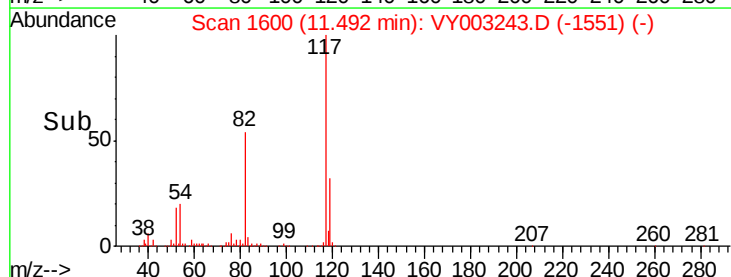


Abundance Ion 116.90 (116.60 to 117.60): VY003159.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY003159.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003159.D (-1591) (-)

Time-->

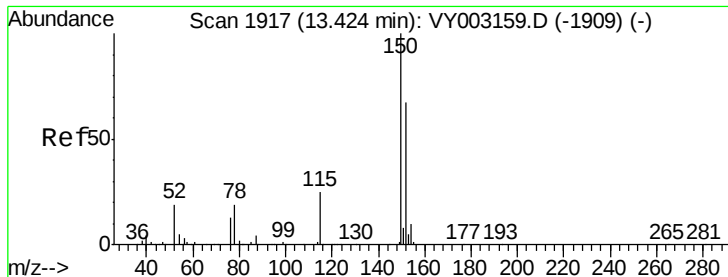


Abundance Ion 116.90 (116.60 to 117.60): VY003243.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003243.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003243.D (-1551) (-)

Time-->

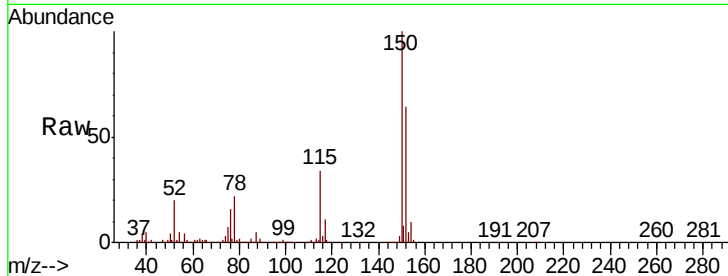


#72

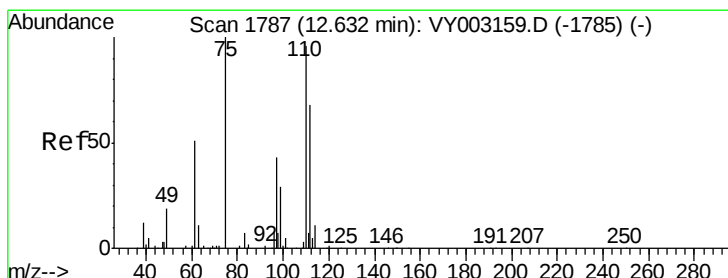
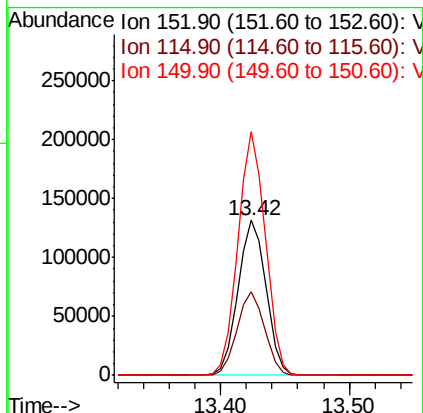
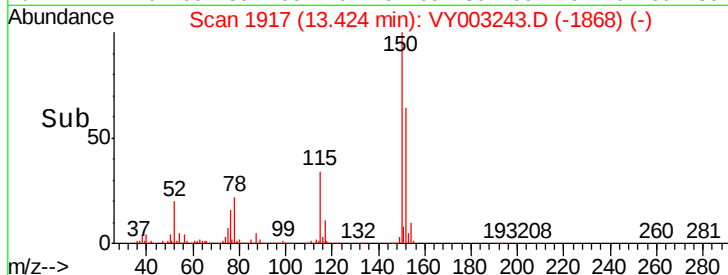
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003243.D
Acq: 20 Jul 2020 19:39

Instrument :
MSVOA_Y
ClientSampled :
17

Tot Ion	Ratio	Lower	Upper
152	100		
115	52.9	26.9	80.7
150	153.8	0.0	338.0



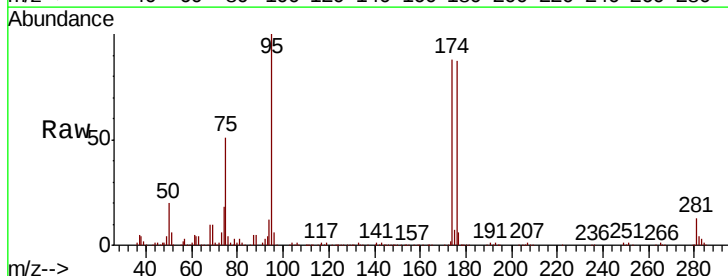
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



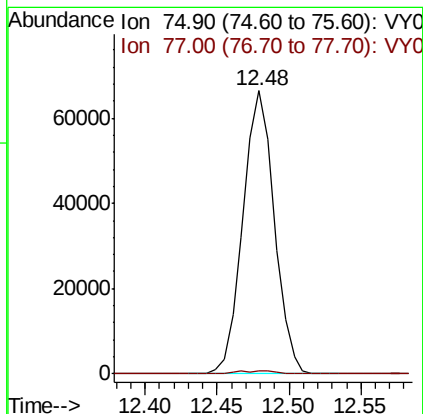
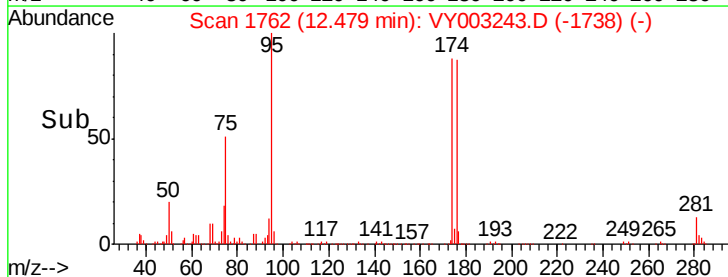
#76

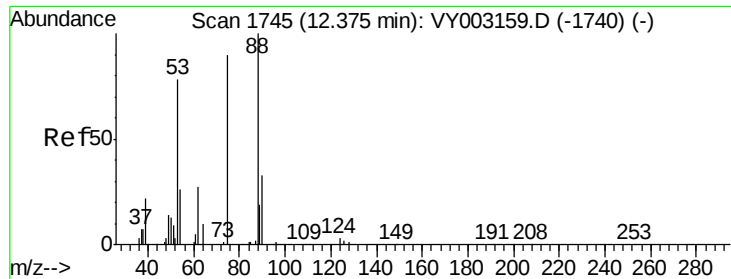
1,2,3-Trichloropropane
Concen: 57.205 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003243.D
Acq: 20 Jul 2020 19:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 111.331 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003243.D

Acq: 20 Jul 2020 19:39

Instrument :

MSVOA_Y

ClientSampleId :

17

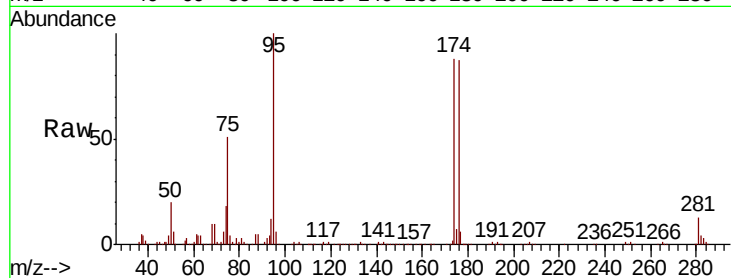
Tot Ion: 75 Resp: 100267

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

89 0.0 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

